



F E D E R A L
S T U D E N T A I D

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FSA Modernization Partner

NSLDS II Reengineering
System Interface Detail Design:
Central Processing System
Student Demographic/Error File Interfaces
I-CPS-3

DRAFT

Version 1.0

September 30, 2002

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Document Control

Version Number	Description	Release Date	Author
1.0	Initial Issue	09/30/2002	Troy Edwards

1 Central Processing System (CPS)

The interfaces between CPS and NSLDS II will be important components of FSA's student aid eligibility process. After an applicant has completed the Free Application for Federal Student Aid (FAFSA) and it has been processed in CPS, pre-screening requests will be sent to NSLDS II. NSLDS II will process these requests and compile financial aid information currently stored within the database on that particular applicant. NSLDS II will also perform additional weekly post-screening eligibility checks and send results to CPS. The data received from NSLDS II will then be used to assist CPS in determining an applicant's eligibility to receive Title IV aid.

CPS will also send a file to NSLDS II daily that contains updated student demographic data.

The CPS interfaces include:

- Pre-Screening Applicant File (**See Document I-CPS-1**)
- Pre-screening Applicant Results File (**See Document I-CPS-1**)
- Post-Screening Results File (**See Document I-CPS-2**)
- Post-Screening Error File (**See Document I-CPS-2**)
- Student Demographic File (**Section 1.2**)
- Student Demographic Error File (**Section 1.3**)

1.1 System Specifics

1.1.1 NSLDS II

Item	Description
Production Platform (Vendor/Product Name/Version)	IBM/ Cluster 1600 Server/ 4 p-Series 660 Model 6M1 4 FastT500 Arrays
Operating System (Vendor/Product Name/Version)	Unix/AIX/V 5.1 Parallel Systems Support Program (PSSP)
DBMS (Vendor/Product Name/Version)	IBM/DB2 Universal Database (UDB)/Enterprise Extended v. 7.2
Transmission Protocol	TCP/IP
Production System IP Address	TBD
Production System Location	Meriden, CT
Contracting Organization	Accenture – Modernization Partner
Developer Location	Modernization Partner Offices – Washington DC

1.1.2 CPS

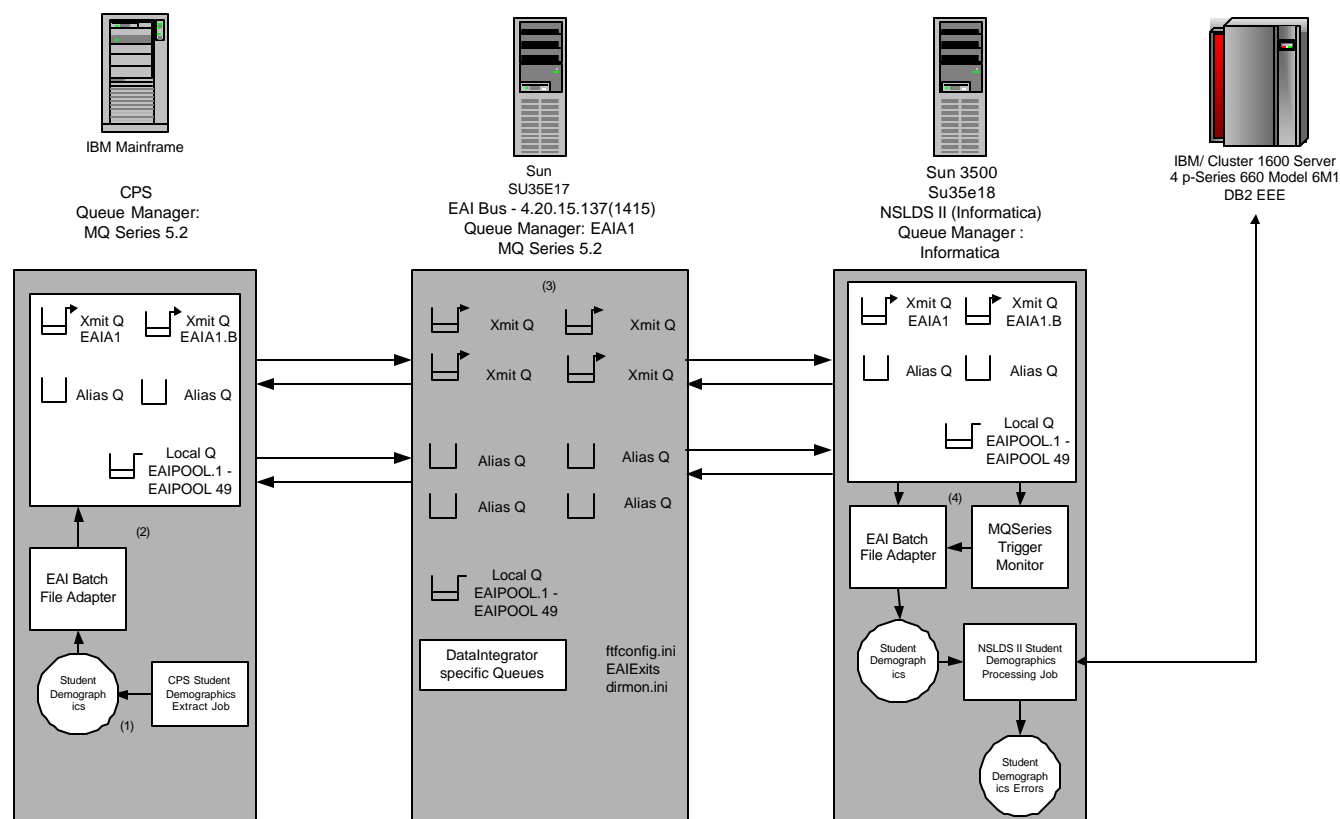
Item	Description
Production Platform (Vendor/Product Name/Version)	IBM/Mainframe
Operating System (Vendor/Product Name/Version)	IBM/OS390
DBMS (Vendor/Product Name/Version)	IBM/DB2
Transmission Protocol	TCP/IP
Production System IP Address	TBD
Production System Location	Meriden, CT
Contracting Organization	NCS
Developer Location	Iowa City, Iowa

1.2 Student Demographic File

1.2.1 Interface Control Specifications

Interface Name:	Student Demographic File
Interface Type/Direction:	Unidirectional, Batch Type
Interface Short Description:	<p>This document defines the processes utilized by CPS and NSLDS II to transport the CPS Student Demographic data via the "EAI BUS".</p> <p>CPS will send a file to NSLDS II daily that contains updated student demographic data. This file will be sent over the EAI Bus in flat file format. If errors are encountered by NSLDS II (Informatica) in processing the file, an Error File will be created and sent to CPS for processing.</p>
Requesting Application: or Source Application:	CPS is the source of the Student Demographic file
Responding Application: or Destination Application:	NSLDS II receives the Student Demographic File and responds with the Error File if needed
Detailed Technical Requirement References:	5.024
Interface Usage Frequency:	Daily
Interface Usage Volume:	100,000 records average, 40mb file
Output Media:	Flat File
Transmission Mechanism:	EAI Bus

1.2.2 Interface Flow



1.2.3 Interface Flow Description

1. The CPS system will initiate a process to create the Student Demographics extract file
2. The EAI Batch File Adapter will move the file to the EAI BUS
3. The EAI BUS will route the file to NSLDS II
4. The EAI Batch File Adapter will move the file to NSLDS II
5. NSLDS II (Informatica) will process the Student Demographics file and write any errors to the Error File, and update the database.

Invocation of EAI Batch File (receive) adapter may invoke the NSLDS II (Informatica) Student Demographics Processing Job.

1.2.4 Source System Functional Specifications

#	Responsibility
1	CPS will extract the Student Demographics data and save it as a flat file
2	The data extracted will be laid out as in section 1.2.8 Each record will consist of:

	One Header Record One or more Detail Records One Trailer Record
3	An EAI batch file adapter will be supplied to initiate the file transfer from CPS to NSLDS II
4	CPS will provide the EAI adaptor file transfer utility with the following input parameters: Input File Name – TBD

1.2.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the Student Demographics data file to NSLDS II
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name – TBD
3	The MQSeries Trigger Monitor will trigger the NSLDS II (Informatica) Student Demographics data processing job
4	Errors in the Error File that is generated as a result of processing the Student Demographics data are enumerated in section 1.2.7
5	The Error File is returned to CPS via the EAI BUS

1.2.6 Interface Assumptions

#	Assumption
1	MQSeries Queue Manager is installed / configured for the NSLDS II / CPS environment
2	The EAI architecture will be configured to support the transfer of data from CPS to NSLDS II

1.2.7 Error Messages

(Errors Detailed in Section 1.3.7)

1.2.8 File Layout

Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sort Student Social Security Number	1 – 9	9	Char.	Positional sort field used for sorting the Header Record to the top of the file	Must be equal to low values	NA
Data Provider Indicator	10 – 10	1	Char.	Indicator identifying this file as a CPS as student extract/ demographics file	Must be equal to 'C'	NA
Extract Date	11 – 18	8	Date	Date when the CPS extracted the records	Must be a valid date. Must be all numbers. CCYYMMDD format.	NA
Calendar Year	19 – 22	4	Num.	Calendar year for which the demographic data is being provided	Must be all numbers. Format CCYY	NA
Filler	23 - 400	378	Char.	Blank field to complete record length	Must be filled with spaces	NA

Detail Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
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Data Element	Field Position	Length	Type	Description	Edits	Mapping
Student Original Social Security Number	1-9	9	Num.	The social security number of a Title IV Aid Applicant	Must be numeric	See Appendix C for Field Mapping
Student Current Social Security Number	10-18	9	Num.	The current social security number of a Title IV Aid Applicant.	Must be numeric	See Appendix C for Field Mapping
Student First Name	19-30	12	Char.	The first name of a Title IV Aid Applicant. CPS uses nine spaces and the remaining three for filler.	This field must be left-justified. May be blank. NSLDS treats blank as 'NFN'.	See Appendix C for Field Mapping
Student Last Name	31-32	2	Char.	The first two characters of the last name of a Title IV Aid Applicant.	This field must be left-justified. May be blank. NSLDS treats blank as 'NLN'.	See Appendix C for Field Mapping
Student Date of Birth	33-40	8	Date	The year, month, and day on which a Title IV Aid Applicant was born.	Must be a valid date in CCYYMMDD format. May be spaces.	See Appendix C for Field Mapping
Title	41-41	1	Char.	The title of the Title IV Aid Applicant.	Must be 'M' for male or 'F' for female. May be blank.	See Appendix C for Field Mapping
Citizenship	42-42	1	Char.	Indicator that reflects whether the Title IV Aid Applicant is a U.S. citizen or not.	Must be 1 for yes, 2 for no, 3 for eligible non-citizen, or Blank if the citizenship is unknown	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Alien Registration Number	43-51	9	Char.	Alien Registration Number of the Title IV Aid Applicant if applicable.	May be blank	See Appendix C for Field Mapping
BS Degree Flag	52-53	2	Char.	Indicator that reflects whether the Title IV Aid Applicant expects to receive their first bachelor's degree before July 1, 2002 or not (date changes each cycle).	Must be 'Y' for yes or 'N' for no. May be blank for no response. CPS uses one space and the remaining one space for filler.	See Appendix C for Field Mapping
Applicant Marital Status	54-54	1	Char.	Indicator of the Title IV Aid Applicant's marital status.	Must be '1' for not married, '2' for married, or '3' for separated. NSLDS converts to 'N', 'M', and 'S' respectively. Blank if unknown.	See Appendix C for Field Mapping
Born 24 year Flag	55-55	1	Char.	Indicator that reflects whether the Title IV Aid Applicant was born before January 1, 1971* or not (date changes each cycle).	Must be '1' for yes, '2' for no, or blank if unknown.	See Appendix C for Field Mapping
Grd Prof Student Flag	56-56	1	Char.	Indicator that reflects whether the Title IV Aid Applicant is a graduate or professional student.	Must be '1' for yes, '2' for no, or blank if unknown.	See Appendix C for Field Mapping
Student Is Married	57-57	1	Char.	Indicates whether the Title IV Aid Applicant is married.	Must be '1' for yes, '2' for no, or blank if unknown.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Ward Orphan Flag	58-58	1	Char.	Indicator of the Title IV Aid Applicant's is a ward of the court or both parents are dead.	Must be '1' for yes, '2' for no, or blank if unknown.	See Appendix C for Field Mapping
Veteran	59-59	1	Char.	Indicator that reflects whether the Title IV Aid Applicant is a veteran of the U.S. Armed Forces or not.	Must be '1' for yes, '2' for No, or blank if unknown.	See Appendix C for Field Mapping
Have Dep	60-60	1	Char.	Indicator that reflects whether the Title IV Aid Applicant's has legal dependents other than spouse.	Must be '1' for yes, '2' for no, or blank if unknown.	See Appendix C for Field Mapping
Have Child	61-61	1	Char	Indicator that reflects whether the Title IV Aid Applicant has children.	Must be '1' for yes, '2' for no, or blank if unknown.	See Appendix C for Field Mapping
Parent Marital Status	62-62	1	Char.	Indicator of the Title IV Aid Applicant's parents' marital status.	Must be '1' for married, '2' for single, '3' for separated/divorced, '4' for widowed, blank if unknown.	See Appendix C for Field Mapping
Parent State of Residence	63-64	2	Char.	The State code of the Title IV Aid Applicant's parents' state of legal residence.	Must be valid code from State Code Table. May be blank.	See Appendix C for Field Mapping
Parent Number of Family Members	65-66	2	Char.	The number of family members in Title IV Aid Applicant's parents' family.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Number of College Students	67-67	1	Char.	The number of family members in Title IV Aid Applicant's parents' family that are attending college at least half time.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student State of Residence	68-69	2	Char.	The State code of the Title IV Aid Applicant's student's state of legal residence.	Must be a valid code from State Code Table.	See Appendix C for Field Mapping
Student Number of Family Members	70-71	2	Char.	The number of family members in Title IV Aid Applicant's family.	May be blank. NSLDS converts to numeric	See Appendix C for Field Mapping
Student Number of College Students	72-72	1	Char.	The number of family members in Title IV Aid Applicant's family that are attending college at lease half time.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Tax File Status Code	73-73	1	Char.	Indicator of the Title IV Aid Applicant's parents' filing status.	1 = Already filed 2 = Will file 3 = Will not file May be blank	See Appendix C for Field Mapping
Parent Income Tax Figures	74-74	1	Char.	Indicator of the Title IV Aid Applicant's parents' tax figures.	Must be '1' for Form 1040, '2' for Form 1040A/EZ/TEL, '3' for a Foreign tax return, '4' for a U.S. Territory tax return, or '5' Blank- means did not report	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Eligibility 1040A EZ Code	75-75	1	Char.	If parents have filed or will file a 1040, were they eligible to file a 1040A or 1040EZ.	1 = Yes 2 = No Blank	See Appendix C for Field Mapping
Student Tax File Status Code	76-76	1	Char.	Indicator of the Title IV Aid Applicant's filing status.	1 = Already filed 2 = Will file 3 = Will not file May be blank	See Appendix C for Field Mapping
Student Income Tax Figures	77-77	1	Char.	Indicator of the Title IV Aid Applicant's tax figures.	Must be '1' for Form 1040, '2' for Form 1040A/EZ/TEL, '3' for a Foreign tax return, '4' for a U.S. Territory tax return, or '5' Blank- means did not report	See Appendix C for Field Mapping
Student Eligibility 1040A EZ Code	78-78	1	Char.	If student has filed or will file a 1040, was the student eligible to file a 1040A or 1040EZ.	1 = Yes 2 = No Blank	See Appendix C for Field Mapping
Parent Adjusted Gross Income	79-84	6	Char.	The Adjusted Gross Income (AGI) of the Title IV Aid Applicant's parents.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Adjusted Gross Income	85-90	6	Char.	The Adjusted Gross Income (AGI) of the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Amount of US Tax Paid	91-96	6	Char.	The amount of U.S. income tax paid by the Title IV Aid Applicant's parents.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Student Amount of US Tax Paid	97-101	5	Char.	The amount of U.S. income tax paid by the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Father Earned Income	102-107	6	Char.	Income earned from work by the Title IV Aid Applicant's father.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Earned Income	108-113	6	Char.	Income earned from work by the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Mother Earned Income	114-119	6	Char.	Income earned from work by the Title IV Aid Applicant's mother.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Spouse Earned Income	120-125	6	Char.	Income earned from work by the Title IV Aid Applicant's spouse.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Worksheet A Total	126-130	6	Char.	Total amount from Worksheet A for the parent.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Worksheet A Total	131-135	6	Char.	Total amount from Worksheet A for the student.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Worksheet B Total	136-140	6	Char.	Total amount from Worksheet B for the parent.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Student Worksheet B Total	141-145	6	Char.	Total amount from Worksheet B for the student.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Worksheet C Total	146-150	6	Char.	Total amount from Worksheet C for the parent.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Worksheet C Total	151-155	6	Char.	Total amount from Worksheet C for the student.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Number of Vet ED Benefit Month	156-157	2	Char.	The expected number of months the Title IV Aid Applicant will receive from veterans education benefits.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Amount of Monthly Vet ED Benefit	158-160	3	Char.	The expected monthly amount the Title IV Aid Applicant will receive from veterans education benefits.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
College One	161-166	6	Char.	The School code for the first college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Housing Code One	167-167	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
College Two	168-173	6	Char.	The School code for the second college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Housing Code Two	174-174	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	See Appendix C for Field Mapping
College Three	175-180	6	Char.	The School code for the third college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Housing Code Three	181-181	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	See Appendix C for Field Mapping
College Four	182-187	6	Char.	The School code for the fourth college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Housing Code Four	188-188	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	See Appendix C for Field Mapping
College Five	189-194	6	Char.	The School code for the fifth college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Housing Code Five	195-195	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents. May be blank.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
College Six	196-201	6	Char.	The School code for the sixth college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric	See Appendix C for Field Mapping
Housing Code Six	202-202	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents. May be blank.	See Appendix C for Field Mapping
Dependency Override Indicator	203-203	1	Char.	Financial Aid Administrator has determined to override the applicant as independent.	Must be blank for no override, '1' for override to independent.	See Appendix C for Field Mapping
Pell Institution Number	204-209	6	Char.	The School code for the first of six schools, listed by the student, that participates in the Pell program.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
FAA Institution Number	210-215	6	Char.	The code for the school that made the FAA professional judgement.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Date Completed	216-223	8	Char.	The date that the Title IV Aid Applicant completed the application.	Must be a valid century, year, month, and day in CCYYMMDD format. May be blank. NSLDS converts to date format.	See Appendix C for Field Mapping
Age of Oldest Parent	224-225	2	Char.	The age of the Title IV Aid Applicant's oldest parent.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Cash	226-231	6	Char.	The total amount of cash, savings, and checking accounts of the Title IV Aid Applicant's parents.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Cash	232-237	6	Char.	The total amount of cash, savings, and checking accounts of the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Inv Net Worth Amt	238-243	6	Char.	Parent's current net worth of investments.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Inv Net Worth Amt	244-249	6	Char.	Student's current net worth of investments.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Parent Bus Farm Net Worth Amt	250-255	6	Char.	Parent's current net worth of business and farm.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Student Bus Farm Net Worth Amt	256-261	6	Char.	Student's current net worth of business and farm.	May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Father High Grade	262-262	1	Char.	Indicator of the highest grade level completed by the Title IV Aid Applicant's father.	Must be '1' for elementary school, '2' for high school, '3' for college or beyond, or '4' for unknown. May be blank.	See Appendix C for Field Mapping
Mother High Grade	263-263	1	Char.	Indicator of the highest grade level completed by the Title IV Aid Applicant's mother.	Must be '1' for elementary school, '2' for high school, '3' for college or beyond, or '4' for unknown. May be blank.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
High School Diploma GED	264-264	1	Char.	Indicator of whether or not the Title IV Aid Applicant earned a GED	Must be '1' for yes or '2' for no. May be blank.	See Appendix C for Field Mapping
Enrollment Status Summer 1	265-265	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the summer term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	See Appendix C for Field Mapping
Enrollment Status Fall	266-266	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the fall term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	See Appendix C for Field Mapping
Enrollment Status Winter	267-267	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the winter term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	See Appendix C for Field Mapping
Enrollment Status Spring	268-268	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the spring term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	See Appendix C for Field Mapping
Enrollment Status Summer 2	269-269	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the second summer term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Degree Code	270-270	1	Char.	Code for the Title IV Aid Applicant's degree or certificate.	Must be '1' for 1 st Bachelor's Degree; '2' for 2 nd Bachelor's; '3' for associate degree (at least two-year degree, occupational or technical program); '4' for Associates Degree (general educational or transfer program); '5' Certificate or Diploma for completing an occupational, technical or educational program of less than two years; '6' Certificate or Diploma for completing an occupational, technical or educational program of at least two years; '7' Teaching Credential Program; or '8' for Graduate or Professional Degree; '9' for Other/ Undecided. May be blank.	See Appendix C for Field Mapping
Grade Level in College	271-271	2	Char.	Indicator that reflects the number of the Title IV Aid Applicant's year in college.	Must be '1' for first year or never attended college, '2' for first year or attended college before, '3' for second year or sophomore, '4' for third year or junior, '5' for fourth year or senior, '6' for fifth year or other undergraduate, '7' for first year graduate or professional, '8' for second year graduate or professional, '9' for third year graduate or professional, '10' for beyond third year graduate or professional. May be blank. NSLDS converts to numeric.	See Appendix C for Field Mapping
Dependency Indicator	272-272	1	Char.	Indicator that shows whether the Title IV Aid Applicant is financially dependent on parent or legal guardian.	Must be: 'D' for valid dependent 'I' for invalid independent 'X' for rejected dependent 'Y' for rejected independent	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Expected Family Contribution	273-278	6	Num.	The degree to which family of Title IV Aid Applicant is expected to contribute to the cost of attending school.	May be blank, which is treated as 0.	See Appendix C for Field Mapping
Social Security Indicator	279-279	1	Char.	Indicator that shows whether the Title IV Aid Applicant's SSN match was found at Social Security Administration	Must be 0, 1, 2, 3, 4, 5, 8, or 9	See Appendix C for Field Mapping
Social Security Citizen Indicator	280-280	1	Char.	Indicates the Title IV Aid Applicant's citizen status	Must be A, B, C, D, E, F, N, *, or blank	See Appendix C for Field Mapping
Street Address	281-315	28	Char.	The address information of the student who applied for aid. This is the address CPS receives from the FAFSA and is where CPS mails the SAR.	May be blank.	See Appendix C for Field Mapping
City	316-331	16	Char.	The city information of the student who applied for aid. This is the city CPS receives from the FAFSA and is where CPS mails the SAR	May be blank.	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
State	332-333	2	Char.	The state information of the student who applied for aid. This is the state CPS receives from the FAFSA and is where CPS mails the SAR	May be blank.	See Appendix C for Field Mapping
Zip Code	334-338	5	Char.	The zip code information of the student who applied for aid. This is the zip code CPS receives from the FAFSA and is where CPS mails the SAR	May be blank.	See Appendix C for Field Mapping
Father's SSN	339-347	9	Num.	The social security number of a Title IV Aid Applicant's father.	Must be numeric	See Appendix C for Field Mapping
Father's Last Name	348-363	16	Char	The last name of the Title IV Aid Applicant's father.	May be blank	See Appendix C for Field Mapping
Mother's SSN	364-372	9	Num.	The social security number of a Title IV Aid Applicant's mother.	Must be numeric	See Appendix C for Field Mapping
Mother's Last Name	373-388	16	Char	The last name of the Title IV Aid Applicant's mother.	May be blank	See Appendix C for Field Mapping
Subsidized Warning	389-389	1	Char	Subsidized Warning Flag.	'Y' can be blank	See Appendix C for Field Mapping
Combined Warning	390-390	1	Char	Combined Warning Flag.	'Y' can be blank	See Appendix C for Field Mapping

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	391-400	10	Char.	Blank field to complete record length	Must be filled with spaces.	See Appendix C for Field Mapping

Trailer Record Layout

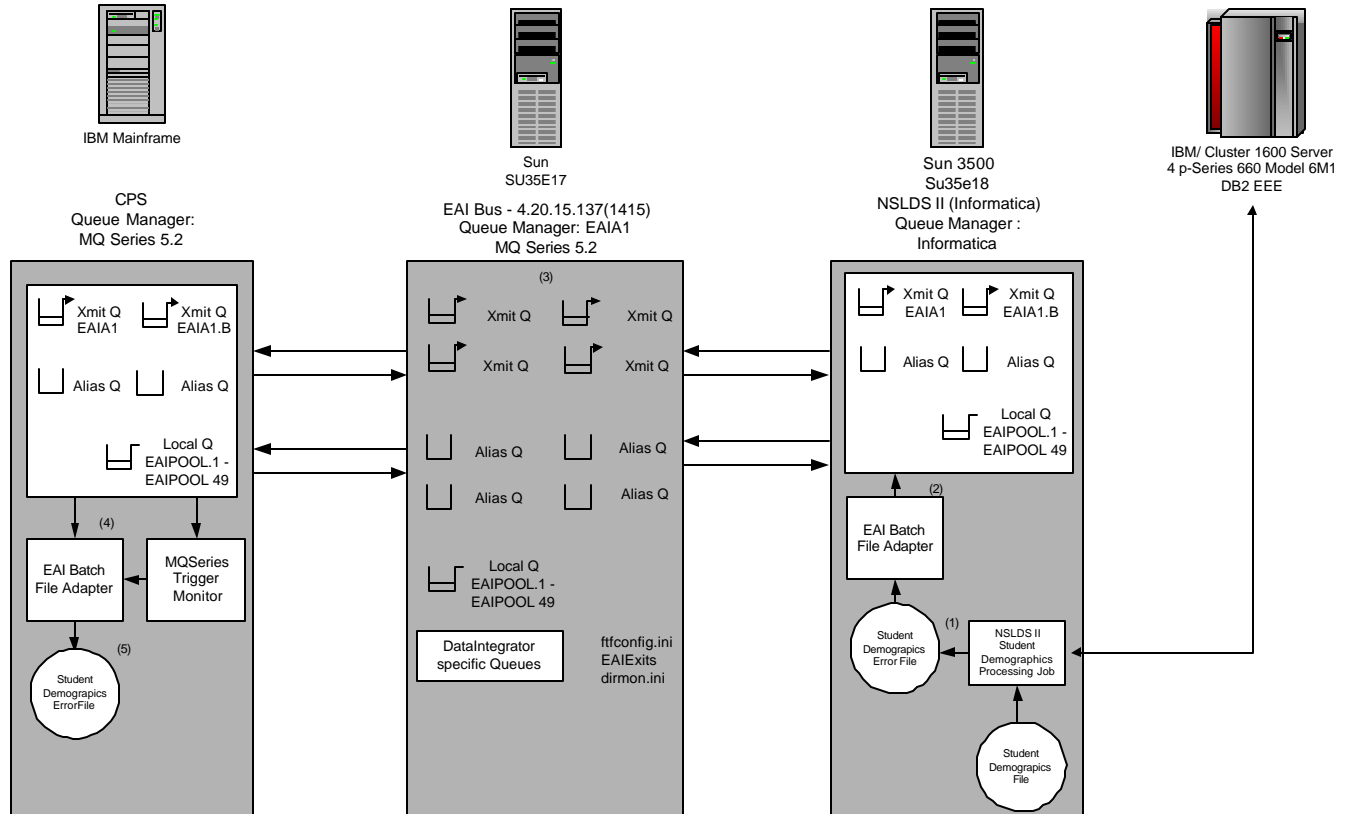
Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sort Student Social Security Number	1 – 9	9	Char.	Positional sort field used for sorting the Trailer Record to the bottom of the file.	Must be equal to high values.	NA
Number of Records	10 – 18	9	Num.	Number of detail records in this CPS student extract/demographics file.	NA	NA
Filler	19 – 400	382	Char.	Blank field to complete record length.	Must be filled with spaces.	NA

1.3 Student Demographic Error File

1.3.1 Interface Control Specifications

Interface Name:	Error File (Student Demographic Data)
Interface Type/Direction:	Unidirectional, Batch Type
Interface Short Description:	<p>This document defines the processes utilized by CPS and NSLDS II to transport the Error File via the "EAI BUS".</p> <p>CPS will send a file to NSLDS II daily that contains updated student demographic data. This file will be sent over the EAI Bus in flat file format. If errors are encountered by NSLDS II in processing the file, an Error File will be created and sent to CPS for processing.</p>
Requesting Application: or Source Application:	NSLDS II is the source of the Error File (Student Demographic Data)
Responding Application: or Destination Application:	CPS receives the Error File (Student Demographics Data)
Detailed Technical Requirement References:	5.1.7.1
Interface Usage Frequency:	Daily
Interface Usage Volume:	TBD
Output Media:	Flat File
Transmission Mechanism:	EAI Bus

1.3.2 Interface Flow



1.3.3 Interface Flow Description

1. The NSLDS II system will process the Student Demographics file and create an Error File
2. The EAI Batch File Adapter will move the file to the EAI BUS.
3. The EAI BUS will route the file to the CPS server.
4. The EAI Batch File Adapter will move the file to the CPS server.
5. The CPS Error File processing job will process the Student Demographics Error File.

1.3.4 Source System Functional Specifications

#	Responsibility
1	NSLDS II system will process the Student Demographics file and create an Errors File saved as a flat file
2	<p>The data extracted will be laid out as in section 1.3.8</p> <p>Each record will consist of:</p> <ul style="list-style-type: none"> One Header Record One Detail Record (1) and one or more Detail Records (2) One Trailer Record <p>The error record (record type 2) follows the detail record (type 1) containing</p>

	errors in its fields. The number of error records (type 2) following the detail record (type 1) is equal to the number of fields in error in each detail record. Therefore, multiple error records can be expected to follow each detail record (type 1)
3	An EAI batch file adapter will be supplied to initiate the file transfer from NSLDS II to CPS
5	NSLDS II will provide the EAI adaptor file transfer utility with the following input parameters: Input File Name - TBD

1.3.5 Destination System Functional Specifications

#	Responsibility
1	The EAI BUS will deliver the Student Demographics Error File data file to the CPS server
2	The EAI Adaptor takes the following information as input: Queue manager name - TBD Queue name - TBD Sync point counter - TBD Output file name - TBD
3	CPS staff are responsible for reviewing errors contained within the error file and including corrected records in the next file submission to NSLDS II

1.3.6 Interface Assumptions

#	Assumption
1	MQSeries Queue Manager is installed / configured for the NSLDS II / CPS environment
2	The EAI architecture will be configured to support the transfer of data from NSLDS II to CPS

1.3.7 Error Messages

Code	Message
0001	Sort Student Security Number on header <> Low Values
0002	Data Provider Indicator on header <> 'C'
0003	Invalid Extract Date
0004	Invalid Calendar Year
0005	Student Original Social Security Number is not numeric
0006	Student Current Social Security Number is not numeric
0007	Invalid Student Date of Birth
0008	Invalid Title
0009	Invalid Citizenship

Code	Message
0010	Invalid BS Degree Flag
0011	Invalid Applicant Marital Status
0012	Invalid Born 24 Year Flag
0013	Invalid Veteran Indicator
0014	Invalid Grd Prof Student Flag
0015	Invalid Student Is Married indicator
0016	Invalid Ward Orphan Flag
0017	Invalid Legal Dependents other than spouse Flag
0018	Invalid Parent Marital Status
0019	Invalid Parent State of Residence
0020	Parent Number of Family Members is not numeric
0021	Parent Number of College Students is not numeric
0022	Invalid Student State of Residence
0023	Student Number of Family Members is not numeric
0024	Student Number of College Students is not numeric
0025	Invalid Parent Income Tax Figures
0026	Invalid Student Income Tax Figures
0027	Parent Adjusted Gross Income is not numeric
0028	Student Adjusted Gross Income is not numeric
0029	Parent Amount of US Tax paid is not numeric
0030	Student Amount of US Tax paid is not Num.
0031	Father Earned Income is not numeric
0032	Student Earned Income is not numeric
0033	Mother Earned Income is not numeric
0034	Student Spouse Earned Income is not numeric
0035	Invalid Parent Tax File Status Code
0036	Invalid Parent Eligible 1040A-EZ Code
0037	Invalid Student Tax File Status Code
0038	Invalid Student Eligible 1040A-EZ Code
0039	Parent Worksheet A is not numeric
0040	Student Worksheet A is not numeric

Code	Message
0041	Parent Worksheet B is not numeric
0042	Student Worksheet B is not numeric
0043	Parent Worksheet C is not numeric
0044	Student Worksheet C is not numeric
0045	Amount of Monthly Vet ED Benefit is not numeric
0046	Number of Vet ED Benefit Month is not numeric
0047	College One code is not numeric
0048	Invalid Housing Code One
0049	College Two Code is not numeric
0050	Invalid Housing Code Two
0051	College Three Code is not numeric
0052	Invalid Housing Code Three
0053	College Four code is not numeric
0054	Invalid Housing Code Four
0055	College Five Code is not numeric
0056	Invalid Housing Code Five
0057	College Six Code is not numeric
0058	Invalid Housing Code Six
0059	Invalid Dependency Override Indicator
0060	Pell Institution Number is not numeric
0061	FAA Institution Number is not numeric
0062	Invalid Date Completed
0063	Age of Oldest Parent is not numeric
0064	Parent Cash is not numeric
0065	Student Cash is not numeric
0066	Parent Investment Net Worth Amount is not numeric
0067	Student Investment Net Worth Amount is not numeric
0068	Parent Business Net Worth Amount is not numeric
0069	Student Business Net Worth Amount is not numeric
0070	Parent Farm Net Worth Amount is not numeric
0071	Student Farm Net Worth Amount is not numeric

Code	Message
0072	Parent Business Farm Net Worth Amount is not numeric
0073	Parent Business Farm Net Worth Amount is not numeric
0074	Invalid Have Dependents other than spouse Flag
0075	Invalid Have Children you support Flag
0078	Invalid Father High Grade
0079	Invalid Mother High Grade
0080	Graduation HS Year Month is not numeric
0081	Invalid Graduation HS Year Month
0082	GED Year Month is not numeric
0083	Invalid GED Year Month
0085	Invalid Enrollment Status Summer 1
0086	Invalid Enrollment Status Fall
0087	Invalid Enrollment Status Winter
0088	Invalid Enrollment Status Spring
0089	Invalid Enrollment Status Summer 2
0090	Invalid Degree Code
0093	Invalid Grade Level in College
0094	Number of Dependent Child Care is not numeric
0095	Invalid Dependency Indicator
0096	Expected Family Contribution is not numeric
0097	College One Code was not found
0098	College Two Code was not found
0099	College Three Code was not found
0100	College Four Code was not found
0101	College Five Code was not found
0102	College Six Code was not found
0103	Pell Institution Number was not found
0104	FAA Institution Number was not found
0105	Student was not found matching search criteria
0106	Social Security Indicator Invalid
0107	Social Security Citizen Indicator Invalid

Code	Message
0108	Invalid High School GED Indicator
0109	Subsidized Warning Flag Invalid
0110	Combined Warning Flag Invalid

1.3.8 File Layout

Header Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sort Student Social Security Number	1 – 9	9	Char.	Positional sort field used for sorting the Header Record to the top of the file.	Must be equal to low values.	NA
Data Provider Indicator	10 – 10	1	Char.	Indicator identifying this file as a CPS student extract/demographics file.	Must be equal to 'C'.	NA
Extract Date	11 – 18	8	Date	Date when the CPS extracted the records.	Must be a valid date. Must be all numbers.	NA
Calendar Year	19 – 22	4	Num.	Calendar year for which the demographic data is being provided.	Must be all numbers. Format CCYY	NA
Filler	23 – 400	378	Char.	Blank field to complete record length.	Must be filled with spaces.	NA
Record Type	401 – 401	1	Char.	Type of record to indicate the header.	Must be equal to value '0'.	NA

Detail Record Layout (Type 1)

Data Element	Field Position	Length	Type	Description	Edits	Mapping
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Data Element	Field Position	Length	Type	Description	Edits	Mapping
Student Original Social Security Number	1-9	9	Num.	The social security number of a Title IV Aid Applicant.	Must be numeric.	NA
Student Current Social Security Number	10-18	9	Num.	The current social security number of a Title IV Aid Applicant.	Must be numeric.	NA
Student First Name	19-30	12	Char.	The first name of a Title IV Aid Applicant. CPS uses nine spaces and the remaining three for filler.	This field must be left justified. May be blank. NSLDS treats blank as 'NFN'.	NA
Student Last Name	31-32	2	Char.	The first two characters of the last name of a Title IV Aid Applicant.	This field must be left justified. May be blank. NSLDS treats blank as 'NLN'.	NA
Student Date of Birth	33-40	8	Date	The year, month, and day on which a Title IV Aid Applicant was born.	Must be a valid date in CCYYMMDD format. May be spaces	NA
Title	41-41	1	Char.	The title of the Title IV Aid Applicant.	Must be 'M' for male or 'F' for female. May be blank.	NA
Citizenship	42-42	1	Char.	Indicator that reflects whether the Title IV Aid Applicant is a U.S. citizen or not.	Must be 1 for yes, 2 for no, 3 for eligible non-citizen, or blank if the citizenship is unknown.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Alien Registration Number	43-51	9	Char.	Alien Registration Number of the Title IV Aid Applicant if applicable	May be blank	NA
BS Degree Flag	52-53	2	Char.	Indicator that reflects whether the Title IV Aid Applicant expects to receive their first bachelor's degree before July 1, 2002 or not (date changes each cycle).	Must be 'Y' for yes or 'N' for no. May be blank for no response. CPS uses one space and the remaining one space for filler.	NA
Applicant Marital Status	54-54	1	Char.	Indicator of the Title IV Aid Applicant's marital status.	Must be '1' for not married, '2' for married, or '3' for separated. NSLDS converts to 'N', 'M', and 'S' respectively. Blank if unknown.	NA
Born 24 year Flag	55-55	1	Char.	Indicator that reflects whether the Title IV Aid Applicant was born before January 1, 1971 or not (date changes each cycle).	Must be '1' for yes, '2' for no, or blank if unknown.	NA
Grd Prof Student Flag	56-56	1	Char.	Indicator that reflects whether the Title IV Aid Applicant is a graduate or professional student.	Must be '1' for yes, '2' for no, or blank if unknown.	NA
Student Is Married	57-57	1	Char.	Indicates whether the Title IV Aid Applicant is married.	Must be '1' for yes, '2' for no, or blank.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Ward Orphan Flag	58-58	1	Char.	Indicator of the Title IV Aid Applicant's is a ward of the court or both parents are dead.	Must be '1' for yes, '2' for no, or blank if unknown.	NA
Veteran	59-59	1	Char.	Indicator that reflects whether the Title IV Aid Applicant is a veteran of the U.S. Armed Forces or not.	Must be '1' for yes, '2' for no, or blank if unknown.	NA
Have Dep	60-60	1	Char.	Indicator that reflects whether the Title IV Aid Applicant's has legal dependents other than spouse.	Must be '1' for yes, '1' for no, or blank if unknown.	NA
Have Child	61-61	1	Char.	Indicator that reflects whether the Title IV Aid Applicant has children.	Must be '1' for yes, '1' for no, or blank if unknown.	NA
Parent Marital Status	62-62	1	Char.	Indicator of the Title IV Aid Applicant's parents' marital status.	Must be '1' for married, '2' for single, '3' for separated/divorced, '4' for widowed. May be blank	NA
Parent State of Residence	63-64	2	Char.	The State code of the Title IV Aid Applicant's parents' state of legal residence.	Must be valid code from state code table. May be blank.	NA
Parent Number of Family Members	65-66	2	Char.	The number of family members in Title IV Aid Applicant's parents' family.	May be blank. NSLDS converts to numeric.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Number of College Students	67-67	1	Char.	The number of family members in Title IV Aid Applicant's parents' family that are attending college at least half time.	May be blank. NSLDS converts to numeric.	NA
Student State of Residence	68-69	2	Char.	The State code of the Title IV Aid Applicant's student's state of legal residence.	Must be a valid code from State Code Table.	NA
Student Number of Family Members	70-71	2	Char.	The number of family members in Title IV Aid Applicant's family.	May be blank. NSLDS converts to numeric	NA
Student Number of College Students	72-72	1	Char.	The number of family members in Title IV Aid Applicant's family that are attending college at least half time.	May be blank. NSLDS converts to numeric.	NA
Parent Tax File Status Code	73-73	1	Char.	Indicator of the Title IV Aid Applicant's parents' filing status.	1 = Already filed 2 = Will file 3 = Will not file May be blank	NA
Parent Income Tax Figures	74-74	1	Char.	Indicator of the Title IV Aid Applicant's parents' tax figures.	Must be '1' for Form 1040, '2' for Form 1040A/EZ/TEL, '3' for foreign Tax Return, '4' for U.S. Territory Tax Ret, or '5' Blank means did not report. May be blank.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Eligibility 1040A EZ Code	75-75	1	Char.	If parents have filed or will file a 1040, were they eligible to file a 1040A or 1040EZ.	1 = Yes 2 = No Blank	NA
Student Tax File Status Code	76-76	1	Char.	Indicator of the Title IV Aid Applicant's filing status.	1 = Already filed 2 = Will file 3 = Will not file May be blank	NA
Student Income Tax Figures	77-77	1	Char.	Indicator of the Title IV Aid Applicant's tax figures.	Must be '1' for Form 1040, '2' for Form 1040A/EZ/TEL, '3' for foreign Tax Return, '4' for U.S. Territory Tax Ret, or '5' Blank means did not report. May be blank.	NA
Student Eligibility 1040A EZ Code	78-78	1	Char.	If student has filed or will file a 1040, will the student be eligible to file a 1040A or 1040EZ.	1 = Yes 2 = No Blank	NA
Parent Adjusted Gross Income	79-84	6	Char.	The Adjusted Gross Income (AGI) of the Title IV Aid Applicant's parents.	May be blank. NSLDS converts to numeric.	NA
Student Adjusted Gross Income	85-90	6	Char.	The Adjusted Gross Income (AGI) of the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Amount of US Tax Paid	91-96	6	Char.	The amount of U.S. income tax paid by the Title IV Aid Applicant's parents.	May be blank. NSLDS converts to numeric.	NA
Student Amount of US Tax Paid	97-101	5	Char.	The amount of U.S. income tax paid by the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	NA
Father Earned Income	102-107	6	Char.	Income earned from work by the Title IV Aid Applicant's father.	May be blank. NSLDS converts to numeric.	NA
Student Earned Income	108-113	6	Char.	Income earned from work by the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	NA
Mother Earned Income	114-119	6	Char.	Income earned from work by the Title IV Aid Applicant's mother.	May be blank. NSLDS converts to numeric.	NA
Spouse Earned Income	120-125	6	Char.	Income earned from work by the Title IV Aid Applicant's spouse.	May be blank. NSLDS converts to numeric.	NA
Parent Worksheet A Total	126-130	6	Char.	Total amount from Worksheet A for the parent.	May be blank. NSLDS converts to numeric.	NA
Student Worksheet A Total	131-135	6	Char.	Total amount from Worksheet A for the student.	May be blank. NSLDS converts to numeric.	NA
Parent Worksheet B Total	136-140	6	Char.	Total amount from Worksheet B for the parent.	May be blank. NSLDS converts to numeric.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Student Worksheet B Total	141-145	6	Char.	Total amount from Worksheet B for the student.	May be blank. NSLDS converts to numeric.	NA
Parent Worksheet C Total	146-150	6	Char.	Total amount from Worksheet C for the parent.	May be blank. NSLDS converts to numeric.	NA
Student Worksheet C Total	151-155	6	Char.	Total amount from Worksheet C for the student.	May be blank. NSLDS converts to numeric.	NA
Number of Vet ED Benefit Month	156-157	2	Char.	The expected number of months the Title IV Aid Applicant will receive from veterans education benefits.	May be blank. NSLDS converts to numeric.	NA
Amount of Monthly Vet ED Benefit	158-160	3	Char.	The expected monthly amount the Title IV Aid Applicant will receive from veterans education benefits.	May be blank. NSLDS converts to numeric.	NA
College One	161-166	6	Char.	The school code for the first college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	NA
Housing Code One	167-167	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
College Two	168-173	6	Char.	The school code for the second college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	NA
Housing Code Two	174-174	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	NA
College Three	175-180	6	Char.	The school code for the third college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	NA
Housing Code Three	181-181	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	NA
College Four	182-187	6	Char.	The School code for the fourth college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	NA
Housing Code Four	188-188	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents.	NA
College Five	189-194	6	Char.	The School code for the fifth college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	NA
Housing Code Five	195-195	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents. May be blank.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
College Six	196-201	6	Char.	The School code for the sixth college that the Title IV Aid Applicant plans to attend.	May be blank. NSLDS converts to numeric.	NA
Housing Code Six	202-202	1	Char.	The code that reflects the housing status of a Title IV Aid Applicant.	Must be '1' for on campus, '2' for off campus, '3' for with parent, or '4' for with relatives other than parents. May be blank.	NA
Dependency Override Indicator	203-203	1	Char.	Financial Aid Administrator has determined to override the applicant as independent.	Must be blank for no override, '1' for override to independent.	NA
Pell Institution Number	204-209	6	Char.	The school code for the first of six schools, listed by the student, that participates in the Pell program.	May be blank. NSLDS converts to numeric.	NA
FAA Institution Number	210-215	6	Char.	The code for the school that made the FAA professional judgment.	May be blank. NSLDS converts to numeric.	NA
Date Completed	216-223	8	Char.	The date that the Title IV Aid Applicant completed the application.	Must be a valid century, year, month, and day in CCYYMMDD format. May be blank. NSLDS converts to date format.	NA
Age of Oldest Parent	224-225	2	Char.	The age of the Title IV Aid Applicant's oldest parent.	May be blank. NSLDS converts to numeric.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Parent Cash	226-231	6	Char.	The total amount of cash, savings, and checking accounts of the Title IV Aid Applicant's parents.	May be blank. NSLDS converts to numeric.	NA
Student Cash	232-237	6	Char.	The total amount of cash, savings, and checking accounts of the Title IV Aid Applicant.	May be blank. NSLDS converts to numeric.	NA
Parent Inv Net Worth Amt	238-243	6	Char.	Parent's current net worth of investments.	May be blank. NSLDS converts to numeric.	NA
Student Inv Net Worth Amt	244-249	6	Char.	Student's current net worth of investments.	May be blank. NSLDS converts to numeric.	NA
Parent Bus Farm Net Worth Amt	250-255	6	Char.	Parent's current net worth of business and farm.	May be blank. NSLDS converts to numeric.	NA
Student Bus Farm Net Worth Amt	256-261	6	Char.	Student's current net worth of business and farm.	May be blank. NSLDS converts to numeric.	NA
Father High Grade	262-262	1	Char.	Indicator of the highest grade level completed by the Title IV Aid Applicant's father.	Must be '1' for elementary school, '2' for high school, '3' for college or beyond, or '4' for unknown. May be blank.	NA
Mother High Grade	263-263	1	Char.	Indicator of the highest grade level completed by the Title IV Aid Applicant's mother.	Must be '1' for elementary school, '2' for high school, '3' for college or beyond, or '4' for unknown. May be blank.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
High School Diploma	264-264	1	Char.	Indicator of whether or not Title IV Aid Applicant earned a GED	Must be '1' for yes or '2' for no. May be blank.	NA
Enrollment Status Summer 1	265-265	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the summer term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	NA
Enrollment Status Fall	266-266	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the fall term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	NA
Enrollment Status Winter	267-267	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the winter term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	NA
Enrollment Status Spring	268-268	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the spring term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	NA
Enrollment Status Summer 2	269-269	1	Char.	Indicator that reflects the Title IV Aid Applicant's enrollment status for the second summer term.	Must be '1' for full-time, '2' for 3/4 time, '3' for half time, '4' for less than half time, or '5' for not enrolled. May be blank.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Degree Code	270-270	1	Char.	Code for the Title IV Aid Applicant's degree or certificate.	Must be '1' for 1 st Bachelor's Degree; '2' for 2 nd Bachelor's Degree; '3' for associate degree (at least two-year degree occupational or technical program); '4' Associates Degree (general educational or transfer program); '5' for Certificate or Diploma for completing an occupational, technical or educational program of less than two years; '6' for Certificate or Diploma for completing an occupational, technical or educational program of at least two years.; '7' Teaching Credential Program; or 'Graduate or Professional Degree; '9' Other/Undecided. May be blank.	NA
Grade Level in College	271-271	2	Char.	Indicator that reflects the number of the Title IV Aid Applicant's year in college.	Must be '1' for first year or never attended college, '2' for first year or attended college before, '3' for second year or sophomore, '4' for third year or junior, '5' for fourth year or senior, '6' for fifth year or other undergraduate, '7' for first year graduate or professional, '8' for second year graduate or professional, '9' for third year graduate or professional, '10' for beyond third year graduate or professional. May be blank. NSLDS converts to numeric.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Dependency Indicator	272-272	1	Char.	Indicator that shows whether the Title IV Aid Applicant is financially dependent on parent or legal guardian.	Must be: 'D' for dependent 'I' for independent 'X' for rejected dependent 'Y' for rejected independent	NA
Expected Family Contribution	273-278	6	Num.	The degree to which family of Title IV Aid Applicant is expected to contribute to the cost of attending school.	May be blank, which is treated as 0.	NA
Social Security Indicator	279-279	1	Char.	Indicator that shows whether the Title IV Aid Applicant's SSN match was found at Social Security Administration	Must be 0, 1, 2, 3, 4, 8, or 9.	NA
Social Security Citizen Indicator	280-280	1	Char.	Indicates the Title IV Aid Applicant's citizen status	Must be A, B, C, D, E, F, N, *, or blank	NA
Street Address	281-315	35	Char.	The address information of the student who applied for aid. This is the address CPS receives from the FAFSA and is where CPS mails the SAR.	May be blank.	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
City	316-331	16	Char.	The city information of the student who applied for aid. This is the city CPS receives from the FAFSA and is where CPS mails the SAR.	May be blank.	NA
State	332-333	2	Char.	The state information of the student who applied for aid. This is the state CPS receives from the FAFSA and is where CPS mails the SAR.	May be blank.	NA
Zip Code	334-338	5	Char.	The zip code information of the student who applied for aid. This is the zip code CPS receives from the FAFSA and is where CPS mails the SAR.	May be blank.	NA
Father's SSN	339-347	9	Num.	The social security number of a Title IV Aid Applicant's father.	Must be numeric	NA
Father's Last Name	348-363	16	Char	The last name of the Title IV Aid Applicant's father.	May be blank	NA
Mother's SSN	364-372	9	Num.	The social security number of a Title IV Aid Applicant's mother.	Must be numeric	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Mother's Last Name	373-388	16	Char	The last name of the Title IV Aid Applicant's mother.	May be blank	NA
Subsidized Warning	389-389	1	Char	Subsidized Warning Flag.	'Y' can be blank	NA
Combined Warning	390-390	1	Char	Combined Warning Flag.	'Y' can be blank	NA
Filler	391-400	10	Char.	Blank field to complete record length.	Must be filled with spaces.	NA
Record Type	401-401	1	Char.	Type of record to indicate the detail	Must be equal to value '1'.	NA

Detail Record Layout (Type 2)

Data Element	Field Position	Length	Type	Description	Edits	Mapping
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Data Element	Field Position	Length	Type	Description	Edits	Mapping
Student Original Social Security Number	1-9	9	Num.	The social security number of a Title IV Aid Applicant	Must be numeric	NA
Student Current Social Security Number	10-18	9	Num.	The current social security number of a Title IV Aid Applicant	Must be numeric	NA
Student First Name	19-30	12	Char.	The first name of a Title IV Aid Applicant. CPS uses nine spaces and the remaining three for filler.	This field must be left-justified. May be blank; NSLDS treats blank as 'NLN'.	NA
Student Last Name	31-32	2	Char.	The first two characters of the last name of a Title IV Aid Applicant	This field must be left-justified. May be blank; NSLDS treats blank as 'NLN'.	NA
Student Date of Birth	33-40	8	Date	The year, month, and day on which a Title IV Aid Applicant was born	Must be a valid date in CCYYMMDD Format. May be spaces.	NA
Field Code	41-43	3	Char.	Field code describing the field in CPS file record	Must be one of the codes in Appendix B	NA
Error Code	44-47	4	Char.	Error code describing the field in error	Must be one of the codes in Section 1.3.7	NA
Value of Field in Error	48-59	12	Char.	The actual field which failed to pass the edit check	NA	NA

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Filler	60-400	341	Char.	Blank field to complete record length	Filled with spaces	NA
Record Type	401-401	1	Char.	Record type to indicate the Error Record	Must be equal to '2'	NA

Trailer Record Layout

Data Element	Field Position	Length	Type	Description	Edits	Mapping
Sort Student Social Security Number	1 – 9	9	Char.	Positional sort field used for sorting the Trailer Record to the bottom of the file.	Must be equal to high values.	NA
Number of Records	10 – 18	9	Num.	Number of detail records in this CPS student extract/demographics file.	NA	NA
Filler	19 – 400	382	Char.	Blank field to complete record length.	Must be filled with spaces.	NA
Record Type	401 – 401	1	Char.	Type of record to indicate the trailer.	Must be equal to value '9'.	NA

1.4 Appendix A

NSLDS II Student Demographic File Sample Processing Logic:

For every detail record, validate current SSN and DOB. If first name is blank, set first name to be 'NFN'. If validations fail on current SSN and DOB, write the Record to Error file and pick up the next record. Otherwise, proceed to validate rest of the fields. When validations of fields pass, verify the existence of School OPE ID in NSLDS II database.

1.5 Appendix B

Field Code Name Cross Reference:

Code	Field Name
001	Header Sort Student Social Security Number
002	Data Provider Indicator
003	Extract Date
004	Calendar Year
005	Student Original Social Security Number
006	Student Current Social Security Number
007	Student Date of Birth
008	Title
009	Citizenship
010	BS Degree Flag
011	Applicant Marital Status
012	Born 24 Year Flag
013	Veteran Indicator
014	Grd Prof Student Flag
015	Student Is Married
016	Ward Orphan Flag
017	Legal Dependents other than Spouse Flag
018	Parent Marital Status
019	Parent State of Residence
020	Parent Number of Family Members
021	Parent Number of College Students
022	Student State of Residence
023	Student Number of Family Members
024	Student Number of College Students
025	Parent Income Tax Figures
026	Student Income Tax Figures
027	Parent Adjusted Gross Income

Code	Field Name
028	Student Adjusted Gross Income
029	Parent Amount of US Tax Paid
030	Student Amount of US Tax Paid
031	Father Earned Income
032	Student Earned Income
033	Mother Earned Income
034	Student Spouse Earned Income
035	Parent Tax File Status Code
036	Parent Eligible 1040A-EZ
037	Student Tax File Status Code
038	Student Eligible 1040A-EZ
039	Parent Worksheet A Total
040	Student Worksheet A Total
041	Parent Worksheet B Total
042	Student Worksheet B Total
043	Parent Worksheet C Total
044	Student Worksheet C Total
045	Amount of Monthly Vet ED Benefit
046	Number of Vet ED Benefit Month
047	College One
048	Housing Code One
049	College Two
050	Housing Code Two
051	College Three
052	Housing Code Three
053	College Four
054	Housing Code Four
055	College Five
056	Housing Code Five
057	College Six
058	Housing Code Six

Code	Field Name
059	Dependency Override Indicator
060	Pell Institution Number
061	FAA Institution Number
062	Date Completed
063	Age of Oldest Parent
064	Parent Cash
065	Student Cash
066	Parent Investment Net Worth Amount
067	Student Investment Net Worth Amount
068	Parent Business Net Worth Amount
069	Student Investment Net Worth Amount
070	Parent Farm Net Worth Amount
071	Student Farm Net Worth Amount
072	Parent Business Farm Net Worth Amount
073	Student Business Farm Net Worth Amount
074	Have Dependents other than spouse Flag
075	Have Children you support Flag
078	Father High Grade
079	Mother High Grade
080	Graduation HS Year Month
081	GED Year Month
083	Enrollment Status Summer 1
084	Enrollment Status Fall
085	Enrollment Status Winter
086	Enrollment Status Spring
087	Enrollment Status Summer 2
088	Degree Code
091	Grade Level in College
092	Number for Dependent Child Care
093	Dependency Indicator
094	Expected Family Contribution

Code	Field Name
095	Student Current SSN, First Name, Date of Birth
096	Social Security Indicator
097	Social Security Citizen Indicator
098	High School GED Indicator
099	Subsidized Warning Flag
100	Combined Warning Flag

1.6 Appendix C

Student Demographics File Specifics:

(See Attached Matrix)